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RAW SEQUENCE LISTING

DATE: 03/12/2002

PATENT APPLICATION: US/10/084,826

TIME: 09:56:30

Input Set : N:\Crf3\RULE60\10084826.raw

Output Set: N:\CRF3\03122002\J084826.raw

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1 <110> APPLICANT: WOLFFE, Alan P.
2   COLLINGWOOD, Trevor
3 <120> TITLE OF INVENTION: TARGETED MODIFICATION OF CHROMATIN STRUCTURE
4 <130> FILE REFERENCE: 8325-0014 / S14-US1
5 <140> CURRENT APPLICATION NUMBER: 10/084,826
6 <141> CURRENT FILING DATE: 2002-02-24
7 <150> PRIOR APPLICATION NUMBER: 09/844,508
8 <151> PRIOR FILING DATE: 2001-04-27
9 <150> PRIOR APPLICATION NUMBER: 60/228,523
10 <151> PRIOR FILING DATE: 2000-08-28
11 <160> NUMBER OF SEQ ID NOS: 49
12 <170> SOFTWARE: PatentIn Ver. 2.0
14 <210> SEQ ID NO: 1
15 <211> LENGTH: 9
16 <212> TYPE: DNA
17 <213> ORGANISM: Artificial Sequence
18 <220> FEATURE:
19 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg 1 target
20   site 3' to 5'
21 <400> SEQUENCE: 1
22   cccctccta
24 <210> SEQ ID NO: 2
25 <211> LENGTH: 9
26 <212> TYPE: DNA
27 <213> ORGANISM: Artificial Sequence
28 <220> FEATURE:
29 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg 1 target
30   site 5' to 3'
31 <400> SEQUENCE: 2
32   ggggaggat
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35 <211> LENGTH: 7
36 <212> TYPE: PRT
37 <213> ORGANISM: Artificial Sequence
38 <220> FEATURE:
39 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg 1 AA
40   sequence F1
41 <400> SEQUENCE: 3
42   Thr Thr Ser Asn Leu Arg Arg
43   1 5
45 <210> SEQ ID NO: 4
46 <211> LENGTH: 7
47 <212> TYPE: PRT

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48 <213> ORGANISM: Artificial Sequence
49 <220> FEATURE:
50 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg 1 AA
51     sequence F2
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53     Arg Ser Ser Asn Leu Gln Arg
54         1             5
56 <210> SEQ ID NO: 5
57 <211> LENGTH: 7
58 <212> TYPE: PRT
59 <213> ORGANISM: Artificial Sequence
60 <220> FEATURE:
61 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg 1 AA
62     sequence F3
63 <400> SEQUENCE: 5
64     Arg Ser Asp His Leu Ser Arg
65         1             5
67 <210> SEQ ID NO: 6
68 <211> LENGTH: 9
69 <212> TYPE: DNA
70 <213> ORGANISM: Artificial Sequence
71 <220> FEATURE:
72 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg 3a target
73     site
74 <400> SEQUENCE: 6
75     gcggaggct
76                                     9
77 <210> SEQ ID NO: 7
78 <211> LENGTH: 7
79 <212> TYPE: PRT
80 <213> ORGANISM: Artificial Sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg 3a AA
83     sequence F1
84 <400> SEQUENCE: 7
85     Gln Ser Ser Asp Leu Gln Arg
86         1             5
88 <210> SEQ ID NO: 8
89 <211> LENGTH: 7
90 <212> TYPE: PRT
91 <213> ORGANISM: Artificial Sequence
92 <220> FEATURE:
93 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg 3a AA
94     sequence F2
95 <400> SEQUENCE: 8
96     Arg Ser Ser Asn Leu Gln Arg
97         1             5
99 <210> SEQ ID NO: 9
100 <211> LENGTH: 7
101 <212> TYPE: PRT

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102 <213> ORGANISM: Artificial Sequence
103 <220> FEATURE:
104 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg 3a AA
105     sequence F3
106 <400> SEQUENCE: 9
107     Arg Ser Asp Glu Leu Ser Arg
108         1             5
110 <210> SEQ ID NO: 10
111 <211> LENGTH: 298
112 <212> TYPE: DNA
113 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg1
116     nucleotide sequence
117 <400> SEQUENCE: 10
118     ggtaccata cctggcaaga agaagcagca catctgccac atccagggt gtggtaaagt 60
119     ttacggcaca acctcaaatac tgcgtcgtca cctgcgctgg cacaccggcg agaggccttt 120
120     catgtgtacc tggctctact gtggtaaacg cttcaccgt tcgtcaaacc tgcagcgtca 180
121     caagcgtacc cacaccggtg agaagaaatt tgcttgcccg gagtgtccga agcgcttcat 240
122     gcgtagtgac cacctgtccc gtcacatcaa gaccaccag aataagaagg gtggatcc 298
124 <210> SEQ ID NO: 11
125 <211> LENGTH: 99
126 <212> TYPE: PRT
127 <213> ORGANISM: Artificial Sequence
128 <220> FEATURE:
129 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg1 amino
130     acid sequence
131 <400> SEQUENCE: 11
132     Val Pro Ile Pro Gly Lys Lys Lys Gln His Ile Cys His Ile Gln Gly
133         1             5             10             15
134     Cys Gly Lys Val Tyr Gly Thr Thr Ser Asn Leu Arg Arg His Leu Arg
135         20             25             30
136     Trp His Thr Gly Glu Arg Pro Phe Met Cys Thr Trp Ser Tyr Cys Gly
137         35             40             45
138     Lys Arg Phe Thr Arg Ser Ser Asn Leu Gln Arg His Lys Arg Thr His
139         50             55             60
140     Thr Gly Glu Lys Lys Phe Ala Cys Pro Glu Cys Pro Lys Arg Phe Met
141         65             70             75             80
142     Arg Ser Asp His Leu Ser Arg His Ile Lys Thr His Gln Asn Lys Lys
143         85             90             95
144     Gly Gly Ser
146 <210> SEQ ID NO: 12
147 <211> LENGTH: 29
148 <212> TYPE: DNA
149 <213> ORGANISM: Artificial Sequence
150 <220> FEATURE:
151 <223> OTHER INFORMATION: Description of Artificial Sequence: duplex
152     oligonucleotide binding target 5'-3'
153 <400> SEQUENCE: 12

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154      catgcatagc ggggaggatc gccatcgat                29
156 <210> SEQ ID NO: 13
157 <211> LENGTH: 14
158 <212> TYPE: PRT
159 <213> ORGANISM: Artificial Sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: Description of Artificial Sequence: NLS derived
162      SV40 large T-antigen
163 <400> SEQUENCE: 13
164      Met Ala Pro Lys Lys Lys Arg Lys Val Gly Ile His Gly Val
165          1             5             10
167 <210> SEQ ID NO: 14
168 <211> LENGTH: 8
169 <212> TYPE: PRT
170 <213> ORGANISM: Artificial Sequence
171 <220> FEATURE:
172 <223> OTHER INFORMATION: Description of Artificial Sequence:
173      double-stranded oligonucleotide encoding a FLAG
174      epitope
175 <400> SEQUENCE: 14
176      Asp Tyr Lys Asp Asp Asp Asp Lys
177          1             5
179 <210> SEQ ID NO: 15
180 <211> LENGTH: 19
181 <212> TYPE: DNA
182 <213> ORGANISM: Artificial Sequence
183 <220> FEATURE:
184 <223> OTHER INFORMATION: Description of Artificial Sequence: target site
185      for human VEGF-A
186 <400> SEQUENCE: 15
187      ggggaggatc gcggaggct                19
189 <210> SEQ ID NO: 16
190 <211> LENGTH: 5
191 <212> TYPE: PRT
192 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: Description of Artificial Sequence: linker
195      sequence
196 <400> SEQUENCE: 16
197      Asp Gly Gly Gly Ser
198          1             5
200 <210> SEQ ID NO: 17
201 <211> LENGTH: 298
202 <212> TYPE: DNA
203 <213> ORGANISM: Artificial Sequence
204 <220> FEATURE:
205 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg3a
206      nucleotide sequence
207 <400> SEQUENCE: 17

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208      ggtaccocata cctggcaaga agaagcagca catctgccac atccagggct gtggtaaagt 60
209      ttacggccag tcctccgacc tgcagcgtca cctgcgctgg cacaccggcg agaggccttt 120
210      catgtgtacc tggctctact gtggtaaacg cttcaccctg tcgtcaaacc tacagaggca 180
211      caagcgtaca cacaccggtg agaagaaatt tgcttgcccg gagtgtccga agcgcttcat 240
212      gcgaagtgac gagctgtcac gacatatcaa gacccaccag aacaagaagg gtggatcc 298
214 <210> SEQ ID NO: 18
215 <211> LENGTH: 99
216 <212> TYPE: PRT
217 <213> ORGANISM: Artificial Sequence
218 <220> FEATURE:
219 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg3a amino
220      acid sequence
221 <400> SEQUENCE: 18
222      Val Pro Ile Pro Gly Lys Lys Lys Gln His Ile Cys His Ile Gln Gly
223      1          5          10          15
224      Cys Gly Lys Val Tyr Gly Gln Ser Ser Asp Leu Gln Arg His Leu Arg
225      20          25          30
226      Trp His Thr Gly Glu Arg Pro Phe Met Cys Thr Trp Ser Tyr Cys Gly
227      35          40          45
228      Lys Arg Phe Thr Arg Ser Ser Asn Leu Gln Arg His Lys Arg Thr His
229      50          55          60
230      Thr Gly Glu Lys Lys Phe Ala Cys Pro Glu Cys Pro Lys Arg Phe Met
231      65          70          75          80
232      Arg Ser Asp Glu Leu Ser Arg His Ile Lys Thr His Gln Asn Lys Lys
233      85          90          95
234      Gly Gly Ser
236 <210> SEQ ID NO: 19
237 <211> LENGTH: 29
238 <212> TYPE: DNA
239 <213> ORGANISM: Artificial Sequence
240 <220> FEATURE:
241 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg3a DNA
242      target site
243 <400> SEQUENCE: 19
244      catgcatatc gcggaggctt ggcacogat 29
246 <210> SEQ ID NO: 20
247 <211> LENGTH: 29
248 <212> TYPE: DNA
249 <213> ORGANISM: Artificial Sequence
250 <220> FEATURE:
251 <223> OTHER INFORMATION: Description of Artificial Sequence: primer SPE7
252 <400> SEQUENCE: 20
253      gagcagaatt cggcaagaag aagcagcac 29
255 <210> SEQ ID NO: 21
256 <211> LENGTH: 26
257 <212> TYPE: DNA
258 <213> ORGANISM: Artificial Sequence
259 <220> FEATURE:
260 <223> OTHER INFORMATION: Description of Artificial Sequence: primer

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/084,826

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Input Set : N:\Crf3\RULE60\10084826.raw

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